

**MANPOWER & COST ESTIMATES
K1 WATER DISINFECTION GENERATOR**

PROJECT MANAGER: RODNEY HERRINGTON

**DAVID KIRBY
DIEGO CHAVEZ**

**UNIVERSITY OF NEW MEXICO
SCHOOL OF ENGINEERING**

**AQUA RESEARCH
5601 MIDWAY PARK PL NE
ALBUQUERQUE, NM 87109**

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	Electrical Engineer	Computer Engineer		TOTAL
Unburdened Hourly Rate	\$34	\$40		
Task	Hours Required			
Project Definition	80	80	10	\$11,840.00
Functional Specification	25	25		\$3,700.00
Implementation	20	20		\$2,960.00
Test Plan	60	60		\$8,880.00
Prototype Assembly	25	25		\$3,700.00
Total Unburdened Cost				\$41,440.00
Total Burdened (50%) Cost				\$82,880.00

MATERIALS COSTS		
Task	Materials	Cost
Reference	(BOOK) Exploring BeagleBone: Tools and Techniques for Building with Embedded Linux. 2 nd edition.	\$25.19
Total		\$25.19

EQUIPMENT COSTS			
Task	Equipment	Type	Cost
Prototype	Beaglebone Controller	Purchase	\$269.95
	2xUSBs	Purchase	\$15.80
	HDMI	Purchase	\$5.24
	Ethernet port	Purchase	\$3.21
TOTAL			\$294.20

K1 Water Disinfection Generator Manpower & Cost Summary	
Cost Category	Estimated Cost
Burdened Labor	\$82,880
Materials	\$25.19
Equipment	\$294.20
Total Estimated Project Cost	\$83,199.39